

106.25

11,092

110,160

410 cubic yds -

144.5 feet base

153 height

$\frac{1}{2} \cdot b \cdot h$

4080

.85

$$\begin{array}{r} 106 \\ \times 12.85 \\ \hline 206 \end{array}$$

59,625 ~~cubic~~ cubic feet

$$.65 = 125 \text{ ft}$$

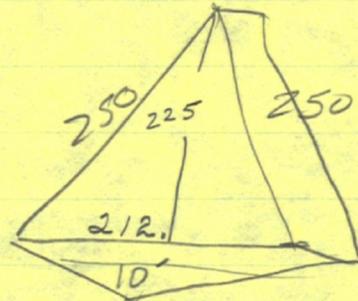
$$7 \times 31 = 217 -$$

$$\begin{array}{r} 43.75 \\ \hline 168.75 \end{array}$$

6 x

#5

170 ft per 4



USEPA SF



1443771

$\frac{1}{2} \cdot b \cdot h$

180 150 height  
23,872,500 cubic feet  $\div 200$  145 base

1" = 170 ft 341,035.

$\frac{1}{2} \cdot b \cdot h = 108750.$

4027 cubic yds  
90 1,800,000  $\div 27 =$

6,700 cubic yds

TABLE I

From the Sludge

Analysis of the Sludge From the Sludge pond and aeration  
pond (Lagoon) indicate the following levels of  
metal contaminants in October, 1980. The contaminants  
are compared to the National Interim Primary  
Drinking Water Regulations (1) OR the Water Quality  
Criteria Documents (2). ND = None Detected  
Federal Register

Metals	Sludge Pond	aeration Lagoon	Standard
Arsonic	10 $\mu\text{g}/\text{l}$	3.0 $\mu\text{g}/\text{l}$	50 $\mu\text{g}/\text{l}$ (1)
Selenium	10 $\mu\text{g}/\text{l}$	< 1.0 $\mu\text{g}/\text{l}$	10 $\mu\text{g}/\text{l}$ (1)
Antimony	2 $\mu\text{g}/\text{l}$	ND	146 $\mu\text{g}/\text{l}$ (2)

The Wastewater treatment facility showed the following levels of priority pollutants. These levels are compared to the Water Quality Criteria Documents, Federal Register

Chemical	Effluent	Water Quality Criteria Document
Methylene chloride	9.08 $\mu\text{g}/\text{l}$	1.9 $\mu\text{g}/\text{l}$
Pentachlorophenol	1.126 $\mu\text{g}/\text{l}$	1.01 $\mu\text{g}/\text{l}$
Di-N-Butylphthalate	1.52 $\mu\text{g}/\text{l}$	34,000 $\mu\text{g}/\text{l}$

The Wastewater treatment facility is not receiving or discharging effluent to Scappoose Bay. Oldens-Comings attributed the levels of Methylene chloride and

Di-N-Butylphthalate as low background.  
Allens-Corning believes the pentachlorophenol  
would have entered the wastewater system  
by the use of prior treated wood chips  
and sawdust in the manufacturing process.  
They did not use pentachlorophenol in  
the fiberboard process.

Owen-Corning Fiberglas  
Figures

Figure 1. USGS-St. Helens Quadrangle

Figure 2. Aerial photograph 12-17-73

Figure 3. Fiberboard plant flow chart

Figure 4. Calculations

Figure 4. Calculation on amount of sludge in  
sludge holding pond

Appendix

Reference 1: Soil Conservation Service Soil Report  
Columbia County

Reference 2: Water Well Report, State of Oregon

Reference 3: Report of Analysis of Drinking Water for  
secondary chemical contaminants

Reference 4: Notification of Hazardous Waste Site

Reference 5: DEQ Memo status of wastewater  
treatment system at Kaiser Gypsum at St. Helens

Reference 6: Sludge Disposal Letters

Reference 7: March 14, 1975, Memo, Treatment plant upgrade

TABLE 1

Analysis of sludge pond and aeration  
lagoon